Performance Data Sheet

HGA5494BAA

General Information

Model	HGA5494BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	5500			
	Watts (Power)				
	Amps	6.29			
	Lb/h	75.3			
-23.3	Btu/h	5650	6010		
	Watts (Power)				
	Amps	6.33	5.95		
	Lb/h	77.3	82.3		
-20	Btu/h	5970	5960		
	Watts (Power)				
	Amps	6.40	6.16		
	Lb/h	81.7	81.6		
-15	Btu/h	6540	6100	6360	
	Watts (Power)	182	257	342	
	Amps	6.50	6.47	7.40	
	Lb/h	89.6	83.5	87.1	
-10	Btu/h	7250	6520	6310	6700
	Watts (Power)	457	545	640	762
	Amps	6.55	6.73	7.84	9.07
	Lb/h	99.3	89.3	86.4	91.8
-6.7	Btu/h	7800	6970	6530	6570
	Watts (Power)	565	661	765	895
	Amps	6.55	6.88	8.10	9.42
	Lb/h	107	95.5	89.5	90.0
-5	Btu/h	8110	7260	6730	6610
	Watts (Power)	601	702	811	945
	Amps	6.53	6.94	8.22	9.59
	Lb/h	111	99.4	92.2	90.6
0	Btu/h	9160	8330	7640	7170
	Watts (Power)	647	765	889	1040
	Amps	6.42	7.06	8.53	10.0
	Lb/h	125	114	105	98.3

5	Btu/h	10400	9770	9070	8410
	Watts (Power)	632	768	910	1080
	Amps	6.20	7.07	8.73	10.4
	Lb/h	143	134	124	115
7.2	Btu/h	11100	10500	9880	9170
	Watts (Power)	614	760	910	1080
	Amps	6.06	7.03	8.77	10.5
	Lb/h	151	144	135	126
10	Btu/h	11900	11600	11100	10300
	Watts (Power)	588	746	908	1090
	Amps	5.83	6.94	8.79	10.6
	Lb/h	163	159	151	142
15	Btu/h	13700	13900	13600	13000
	Watts (Power)	553	734	918	1120
	Amps	5.30	6.65	8.70	10.7
	Lb/h	188	190	187	178

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.168119E+04	1.497245E+02	1.746525E+01	1.600408E+02
C2	-5.691969E+01	-9.826306E+00	-2.232177E-01	-7.797500E-01
C3	-6.859948E+01	2.380403E+01	-8.503666E-01	-9.410802E-01
C4	-4.935184E+00	-1.383656E+00	-2.676316E-03	-6.762574E-02
C5	1.522723E+01	4.202029E-01	7.652720E-03	2.085960E-01
C6	-9.195654E-01	-3.310800E-01	2.004736E-02	-1.257229E-02
C7	3.705780E-02	4.657721E-02	-3.284421E-05	5.087453E-04
C8	3.071021E-01	4.641148E-03	1.100004E-05	4.206888E-03
C9	-1.883489E-01	-9.827327E-04	-4.343438E-05	-2.580155E-03
C10	1.351406E-02	3.018080E-03	-1.322970E-04	1.849805E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature